

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050716\
 Data File : BM005347.D
 Acq On : 08 May 2016 15:11
 Operator : UM/SJ
 Sample : H2772-21
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Quant Time: May 09 04:13:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 07 07:05:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	99307	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	464610	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	285381	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	660518	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	692390	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	599175	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	7076	3.35	ng/uL	0.00
5) Phenol-d5	6.94	99	159438	17.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	101810	19.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	132524	19.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	101461	13.63	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	67529	20.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	78275	20.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	142228	20.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	187337	22.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	504347	22.05	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	600150	22.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	54495	13.05	ng/ul	0.00
57) Fluorene-d10	15.40	176	452643	22.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	63757	17.16	ng/ul	0.00
70) Anthracene-d10	17.26	188	697127	23.88	ng/ul	0.00
76) Pyrene-d10	19.56	212	806544	25.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	662151	24.97	ng/ul	0.00

Target Compounds

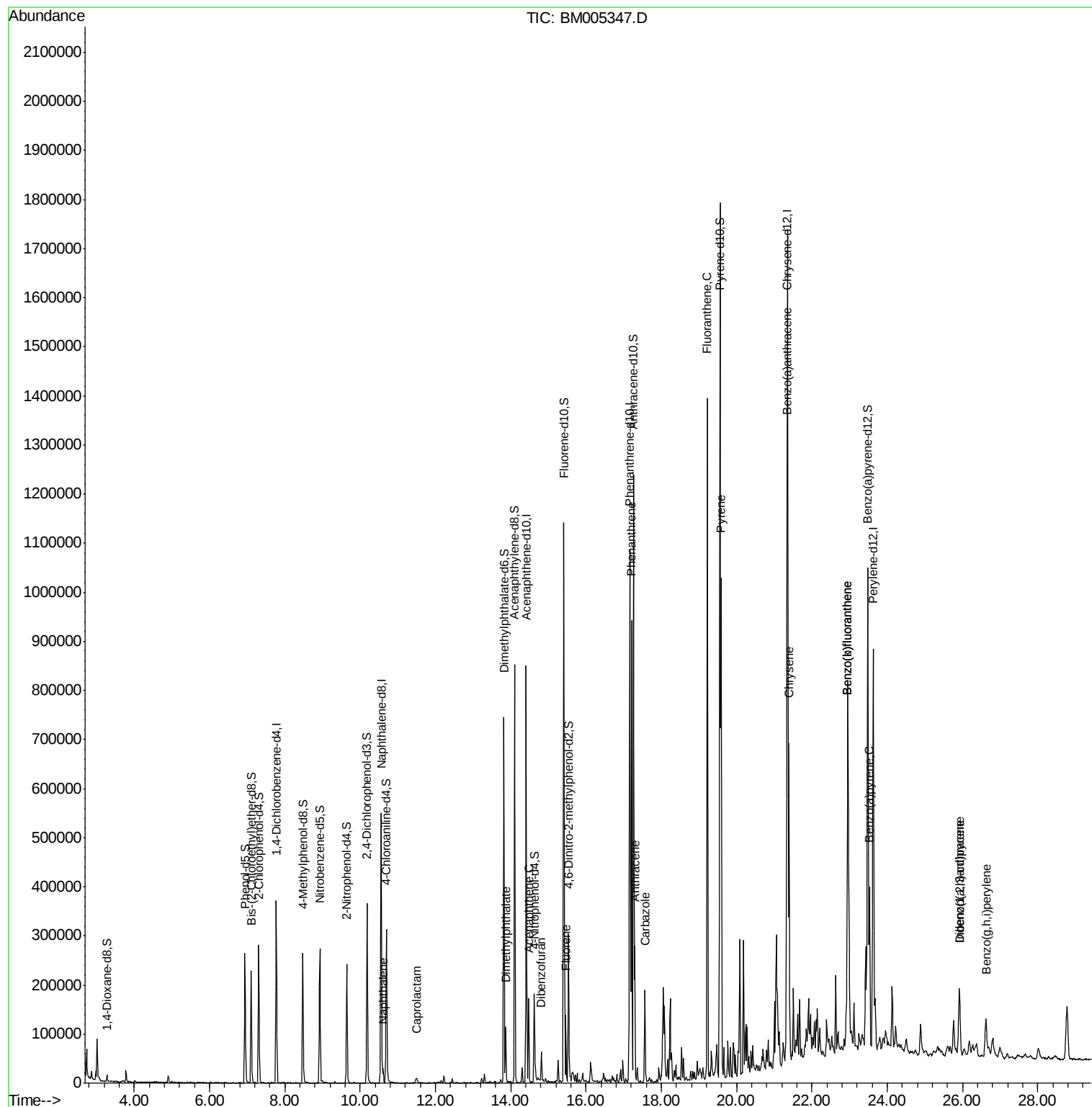
						Qvalue
28) Naphthalene	10.60	128	25433	1.09	ng/ul	99
32) Caprolactam	11.50	113	3383	1.27	ng/ul	96
44) Dimethylphthalate	13.86	163	69455	3.04	ng/ul	100
49) Acenaphthene	14.47	153	70426	3.76	ng/ul	99
53) Dibenzofuran	14.81	168	37569	1.38	ng/ul	100
58) Fluorene	15.46	166	59557	2.81	ng/ul	97
69) Phenanthrene	17.20	178	576012	16.59	ng/ul	100
71) Anthracene	17.29	178	169452	4.89	ng/ul	99
72) Carbazole	17.56	167	116855	3.84	ng/ul	99
74) Fluoranthene	19.22	202	838369	21.79	ng/ul	97
77) Pyrene	19.59	202	627085	15.61	ng/ul	98
80) Benzo(a)anthracene	21.33	228	389809	9.79	ng/ul	99
82) Chrysene	21.39	228	345966	9.16	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	374103	10.68	ng/ul	98
86) Benzo(k)fluoranthene	22.94	252	374103	11.35	ng/ul	97
88) Benzo(a)pyrene	23.53	252	237439	7.17	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.91	276	121185	3.35	ng/ul	95
90) Dibenzo(a,h)anthracene	25.91	278	35887	1.19	ng/ul#	79
91) Benzo(g,h,i)perylene	26.61	276	95032	3.10	ng/ul	99

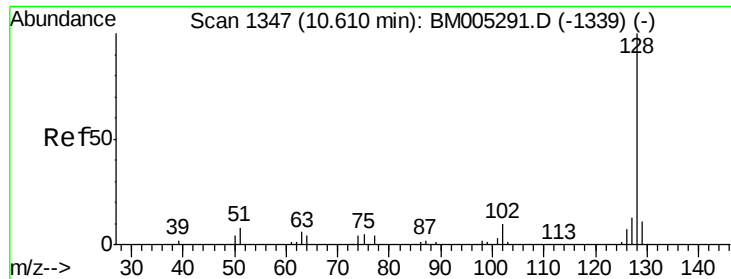
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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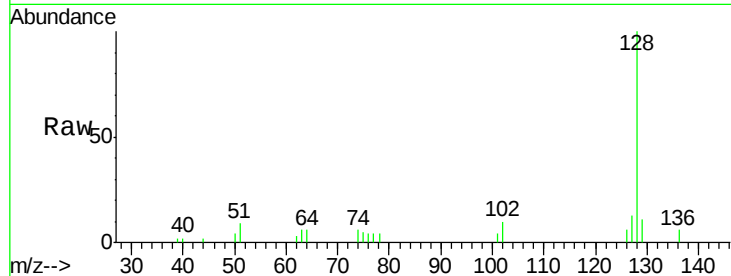




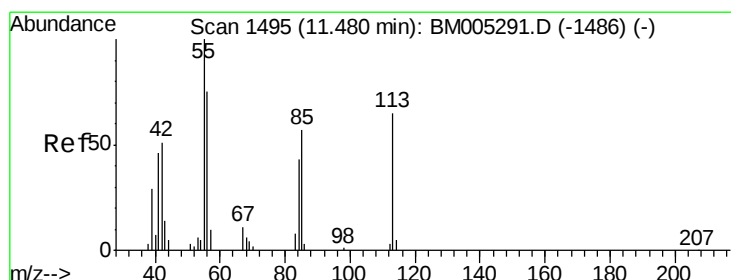
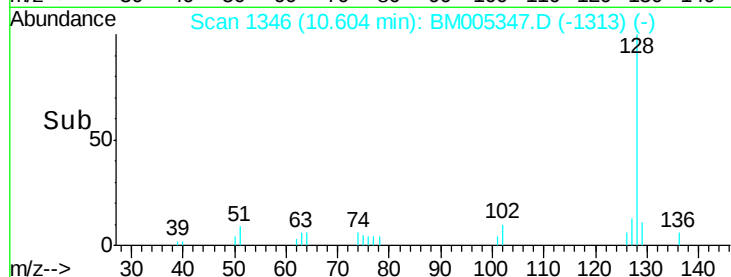
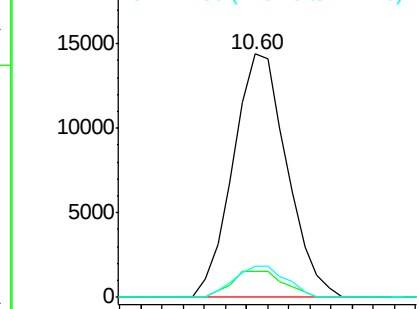
#28
Naphthalene
Concen: 1.09 ng/ul
RT: 10.60 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Instrument :
BNA_M
ClientSampleId :
BD3C5

Tgt Ion:128 Resp: 25433
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.7 10.8 16.2

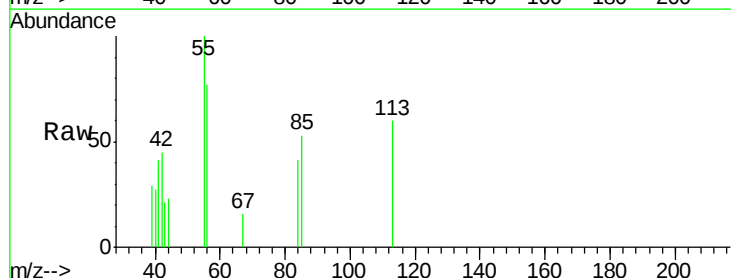


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

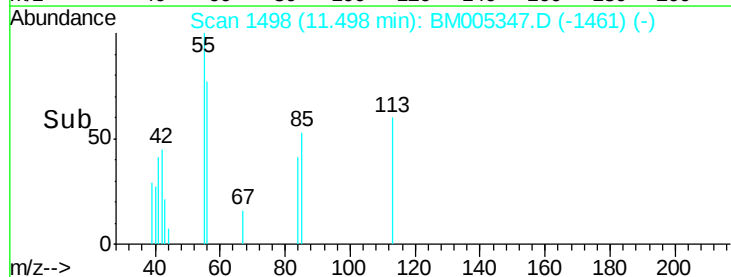
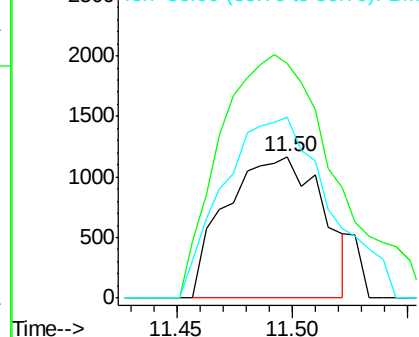


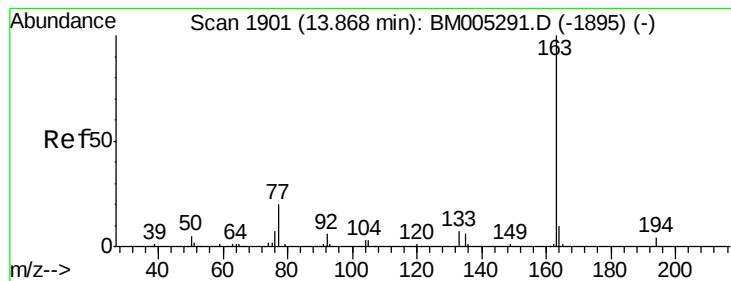
#32
Caprolactam
Concen: 1.27 ng/ul
RT: 11.50 min Scan# 1498
Delta R.T. 0.02 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion:113 Resp: 3383
Ion Ratio Lower Upper
113 100
55 166.0 134.6 201.8
56 128.4 96.6 145.0



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BM0
Ion 56.00 (55.70 to 56.70): BM0





#44

Dimethylphthalate

Concen: 3.04 ng/ul

RT: 13.86 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampleId :

BD3C5

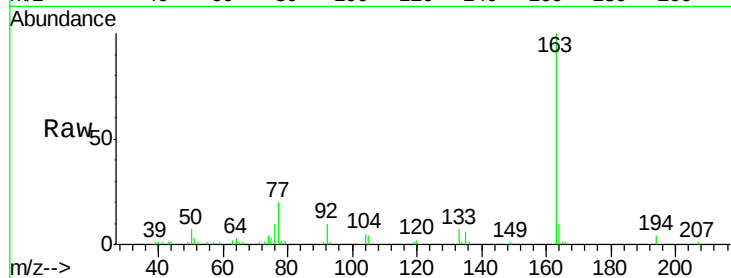
Tgt Ion:163 Resp: 69455

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

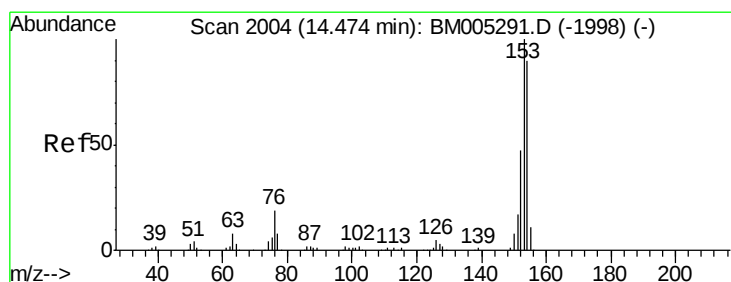
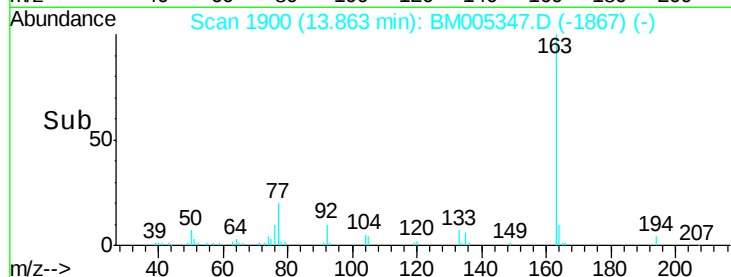
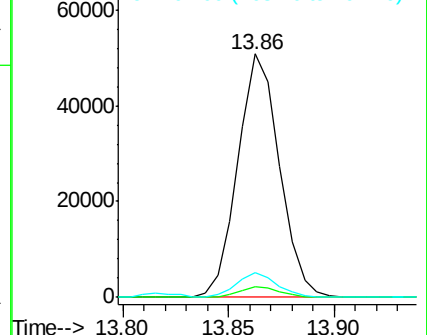
164 9.9 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 3.76 ng/ul

RT: 14.47 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

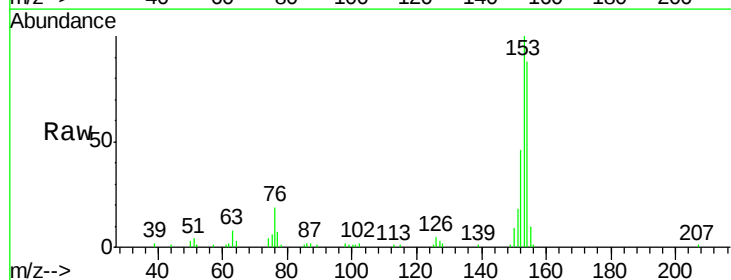
Tgt Ion:153 Resp: 70426

Ion Ratio Lower Upper

153 100

152 46.4 38.9 58.3

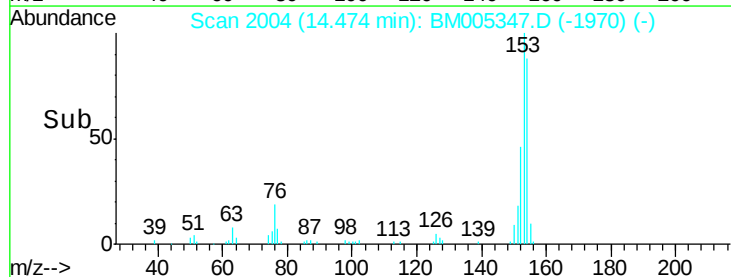
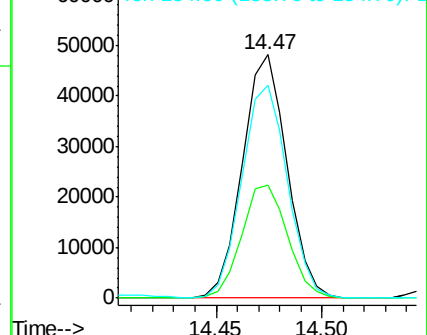
154 87.7 70.3 105.5

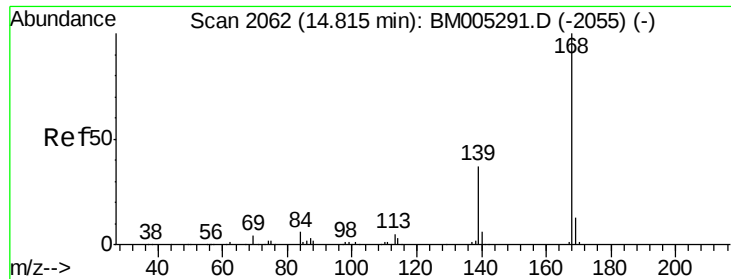


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

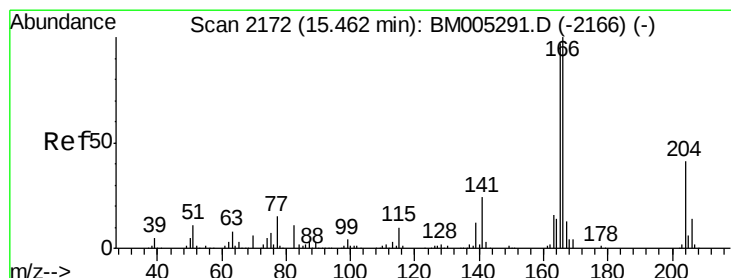
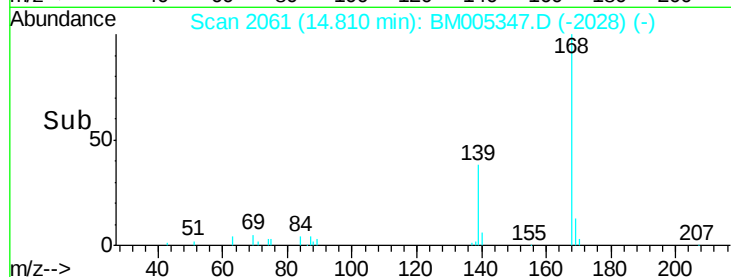
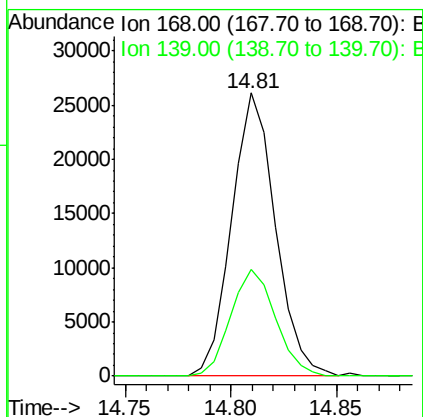
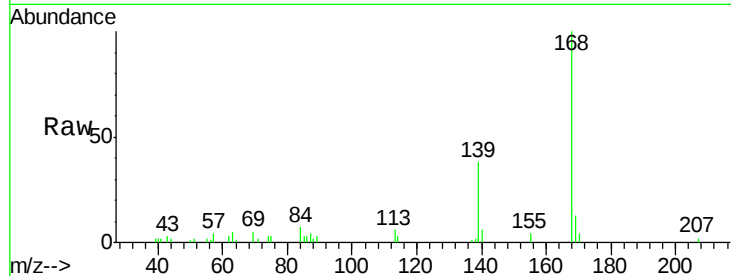




#53
Dibenzo(f,h)quinoxaline
Concen: 1.38 ng/ul
RT: 14.81 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

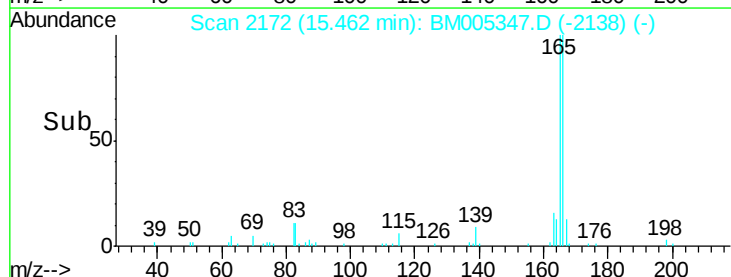
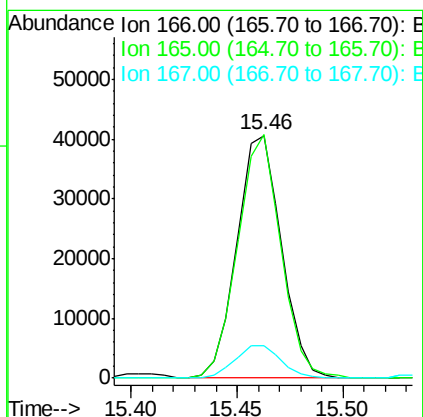
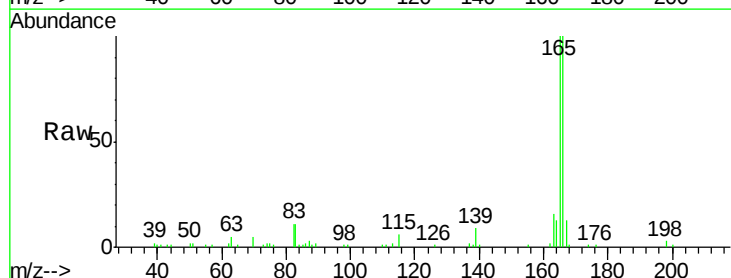
Instrument :
BNA_M
ClientSampleId :
BD3C5

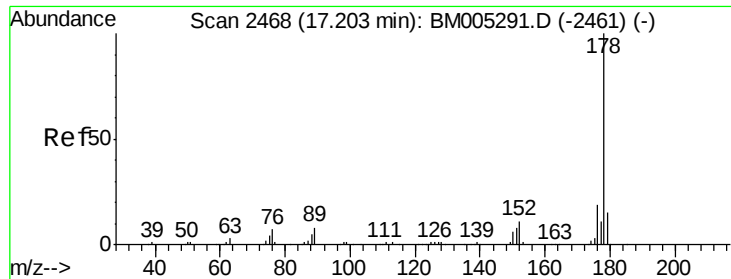
Tgt Ion:168 Resp: 37569
Ion Ratio Lower Upper
168 100
139 37.8 30.3 45.5



#58
Fluorene
Concen: 2.81 ng/ul
RT: 15.46 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion:166 Resp: 59557
Ion Ratio Lower Upper
166 100
165 100.4 77.9 116.9
167 13.5 10.6 16.0





#69

Phenanthrene

Concen: 16.59 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampleId :

BD3C5

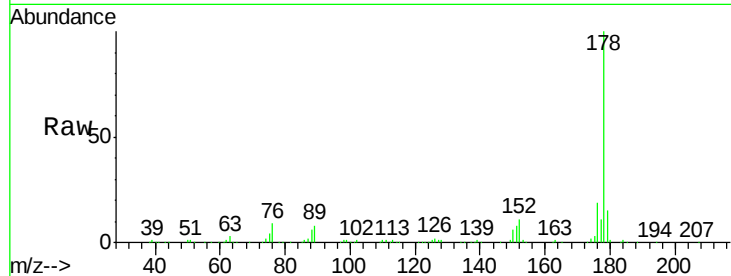
Tgt Ion:178 Resp: 576012

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

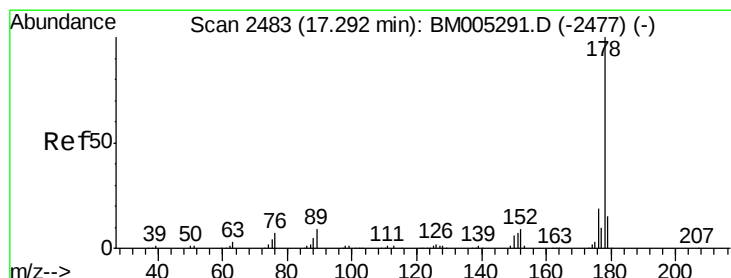
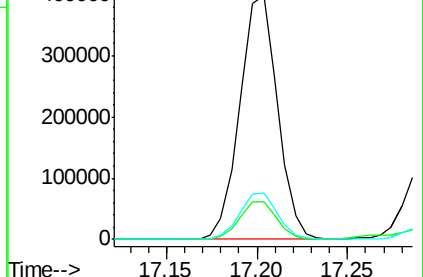
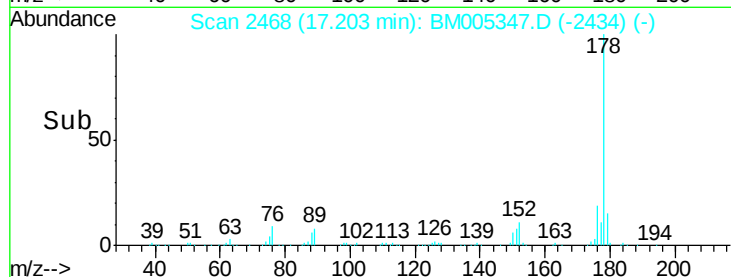
176 19.2 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.89 ng/ul

RT: 17.29 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

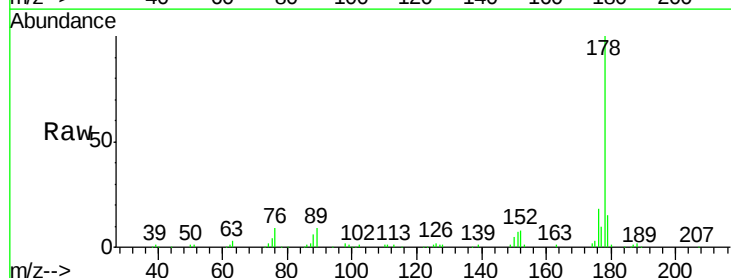
Tgt Ion:178 Resp: 169452

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

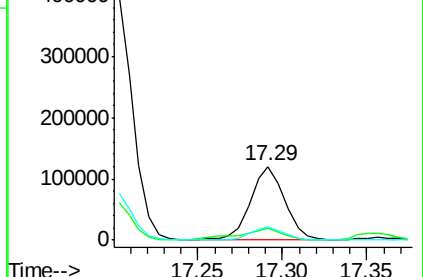
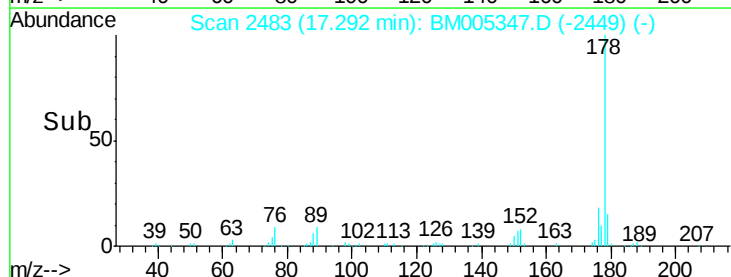
176 18.2 15.1 22.7

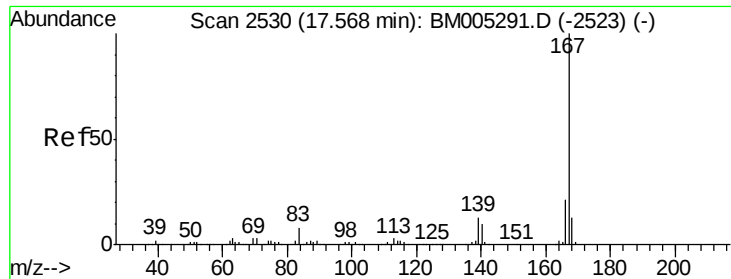


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.84 ng/ul

RT: 17.56 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampleId :

BD3C5

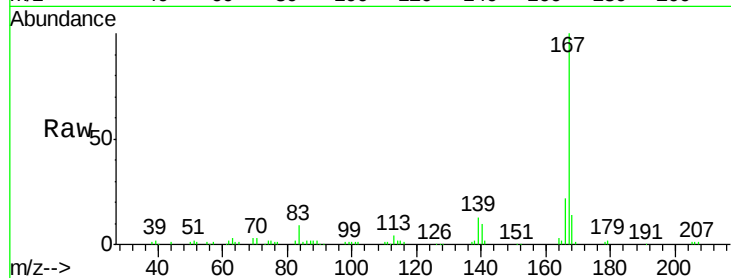
Tgt Ion:167 Resp: 116855

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

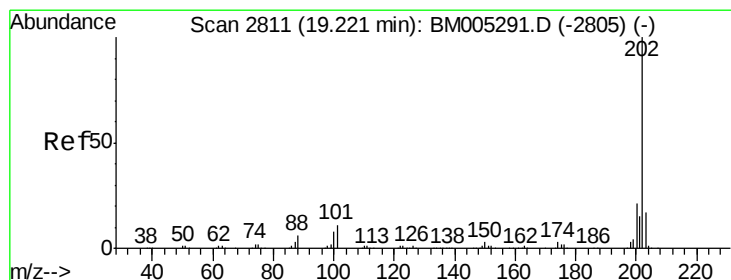
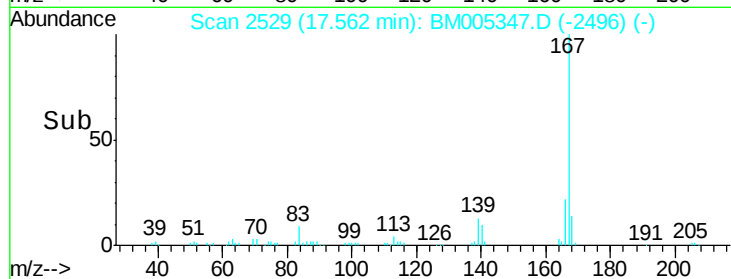
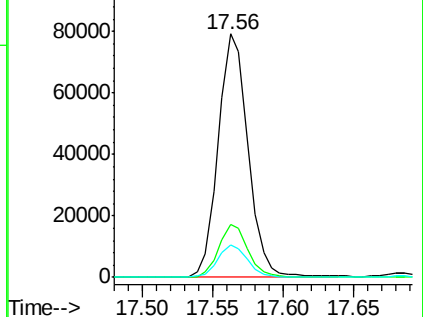
139 13.4 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 21.79 ng/ul

RT: 19.22 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

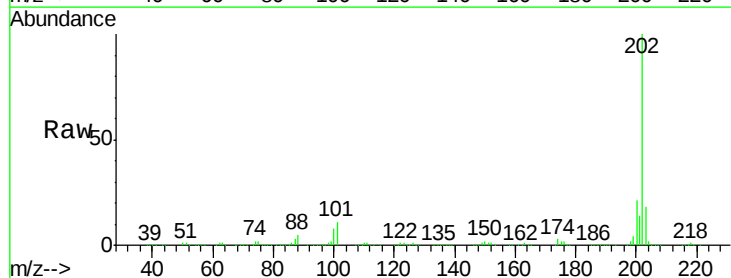
Tgt Ion:202 Resp: 838369

Ion Ratio Lower Upper

202 100

101 10.6 9.2 13.8

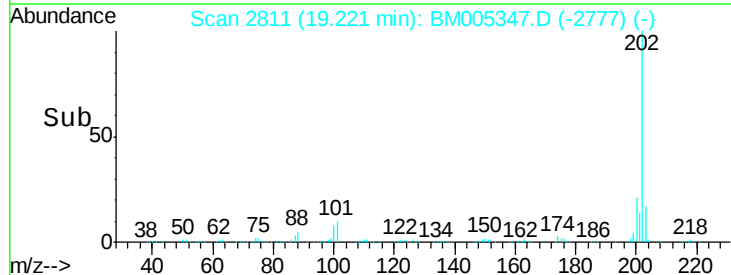
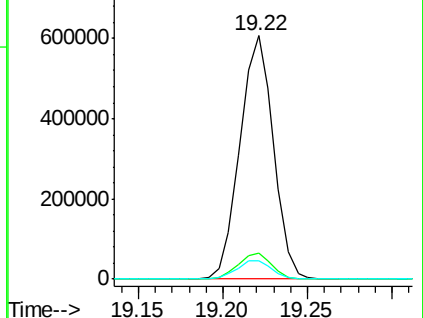
100 7.8 7.1 10.7

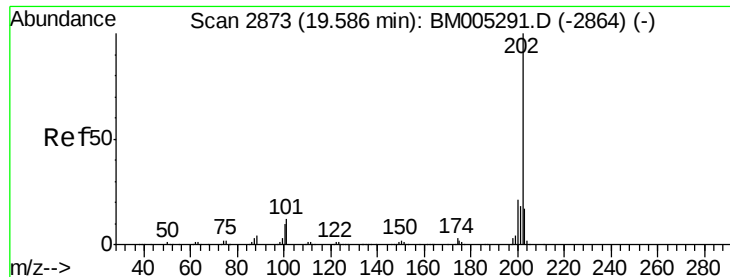


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

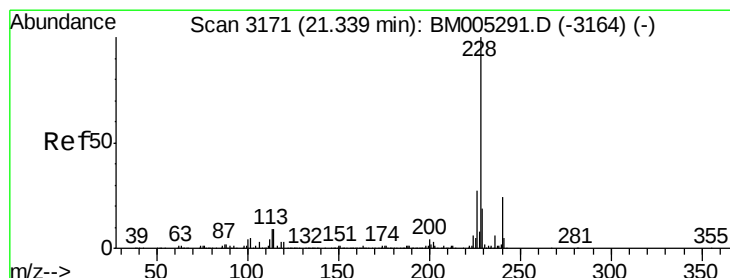
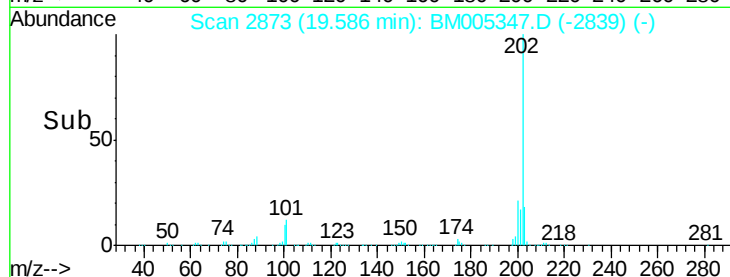
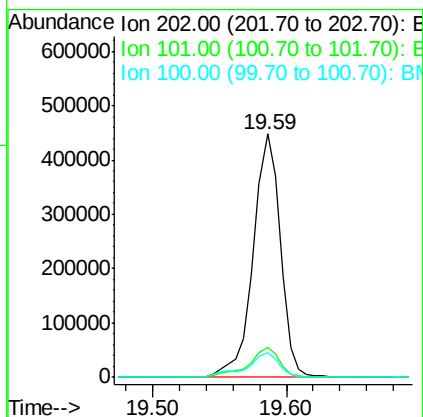
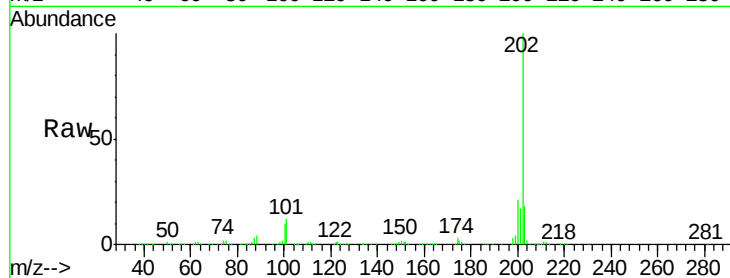




#77
 Pyrene
 Concen: 15.61 ng/ul
 RT: 19.59 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: BM005347.D
 Acq: 08 May 2016 15:11

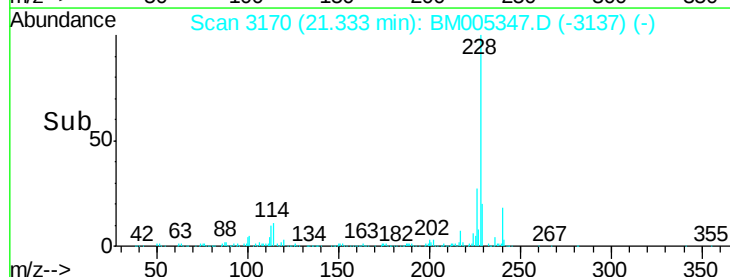
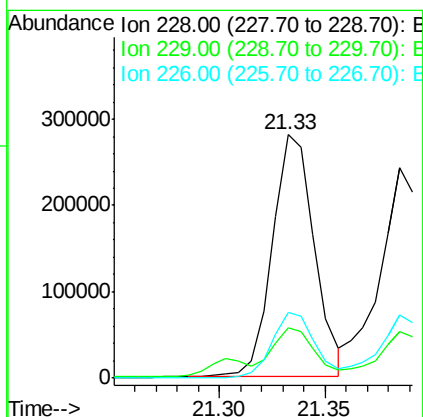
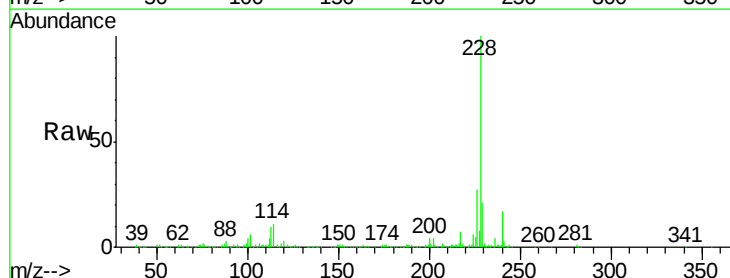
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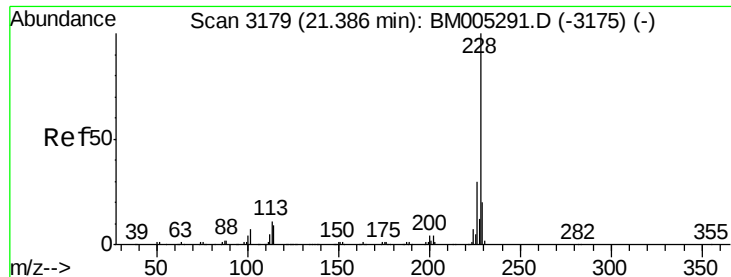
Tgt Ion:	202	Resp:	627085
Ion	Ratio	Lower	Upper
202	100		
101	12.4	10.8	16.2
100	10.1	8.4	12.6



#80
 Benzo(a)anthracene
 Concen: 9.79 ng/ul
 RT: 21.33 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BM005347.D
 Acq: 08 May 2016 15:11

Tgt Ion:	228	Resp:	389809
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.5	23.3
226	27.0	21.8	32.8





#82

Chrysene

Concen: 9.16 ng/ul

RT: 21.39 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampleId :

BD3C5

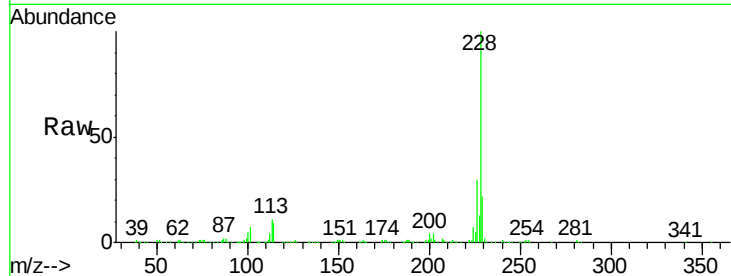
Tgt Ion:228 Resp: 345966

Ion Ratio Lower Upper

228 100

226 29.8 23.6 35.4

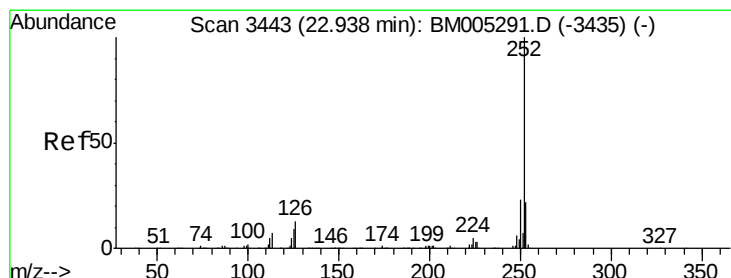
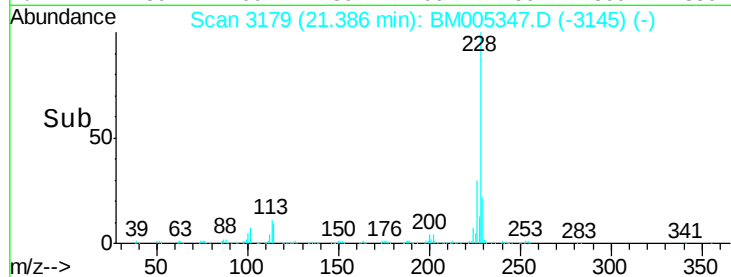
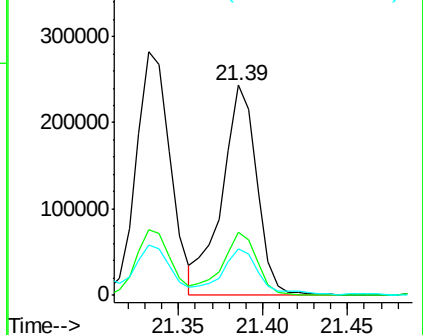
229 22.1 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 10.68 ng/ul

RT: 22.94 min Scan# 3443

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

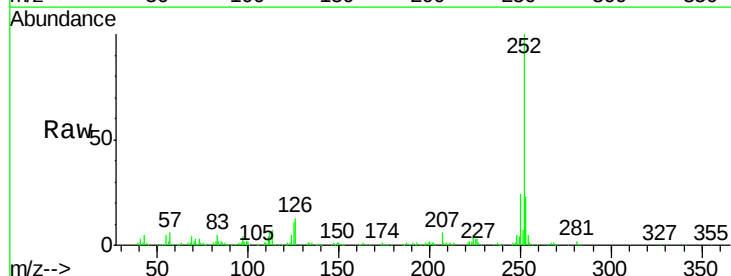
Tgt Ion:252 Resp: 374103

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

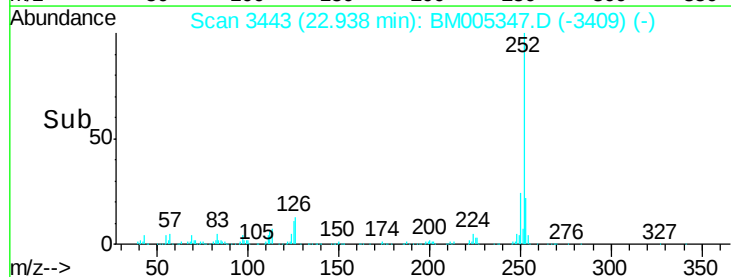
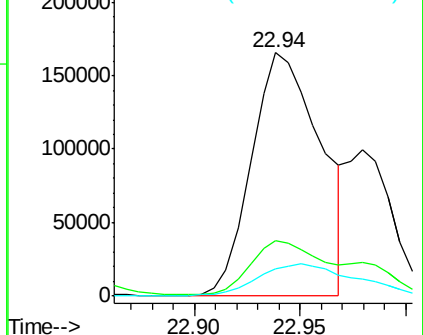
125 11.1 8.4 12.6

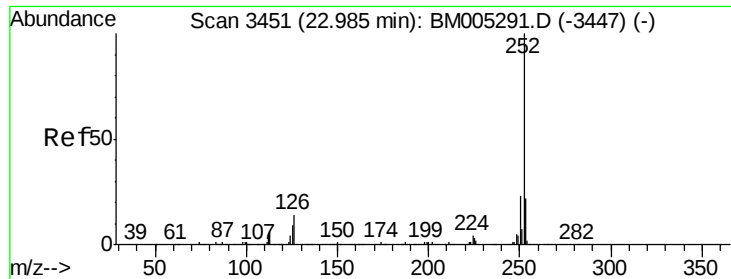


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

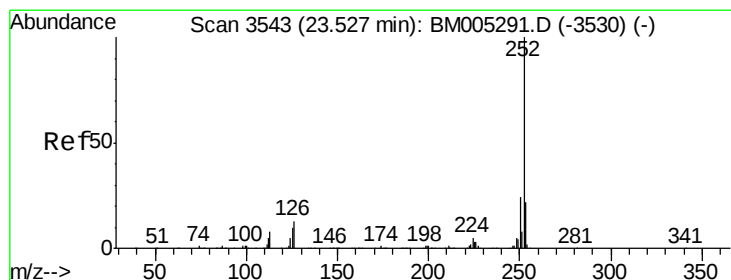
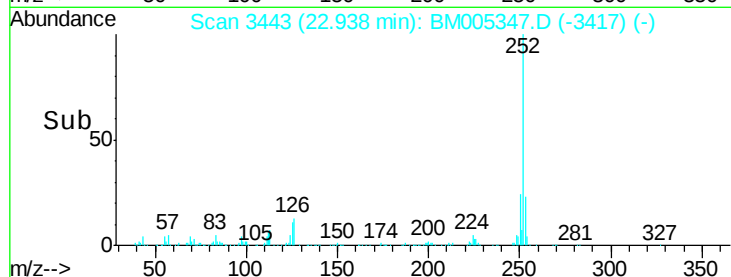
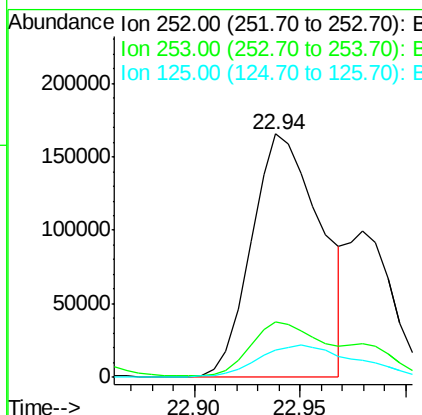
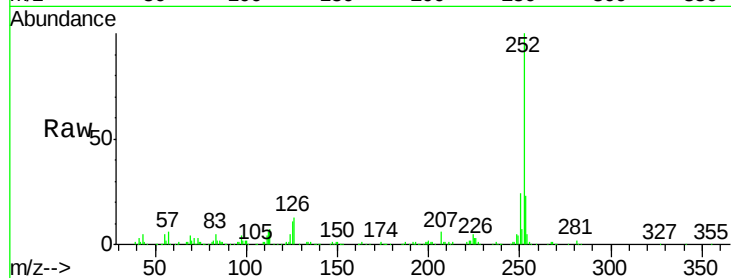




#86
Benzo(k)fluoranthene
Concen: 11.35 ng/ul
RT: 22.94 min Scan# 3443
Delta R.T. -0.05 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

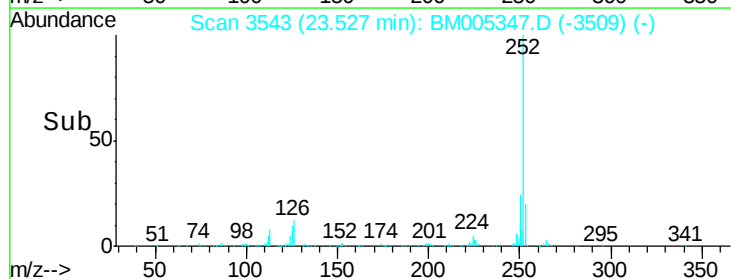
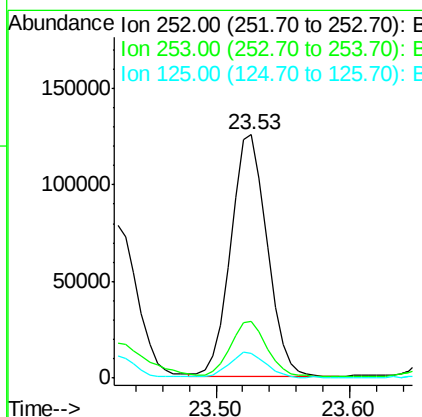
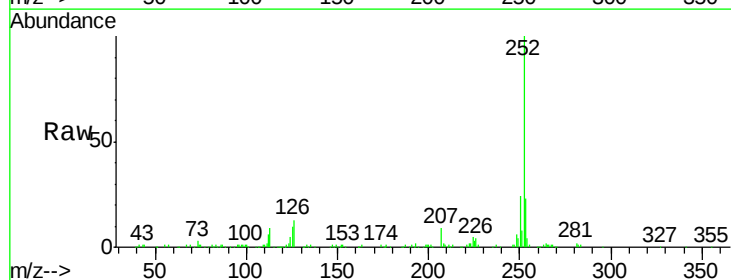
Instrument :
BNA_M
ClientSampleId :
BD3C5

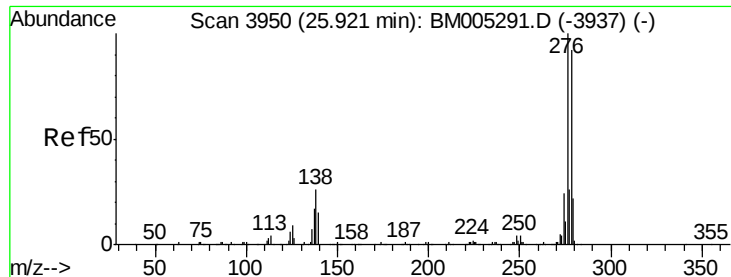
Tgt Ion:252 Resp: 374103
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 11.1 8.0 12.0



#88
Benzo(a)pyrene
Concen: 7.17 ng/ul
RT: 23.53 min Scan# 3543
Delta R.T. 0.00 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion:252 Resp: 237439
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.0 8.7 13.1





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.35 ng/ul

RT: 25.91 min Scan# 3948

Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampled :

BD3C5

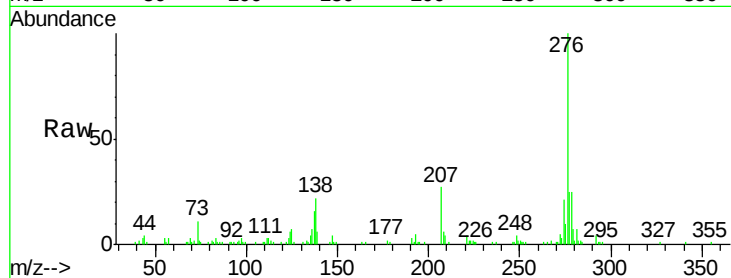
Tgt Ion:276 Resp: 121185

Ion Ratio Lower Upper

276 100

138 21.7 21.0 31.6

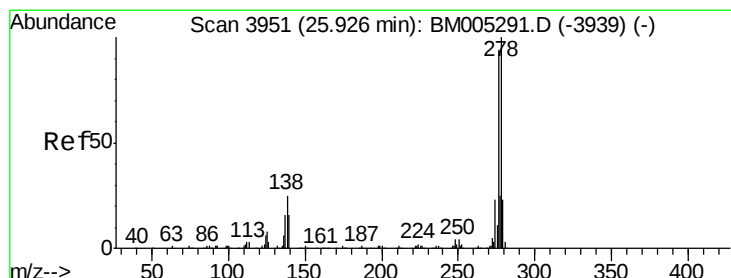
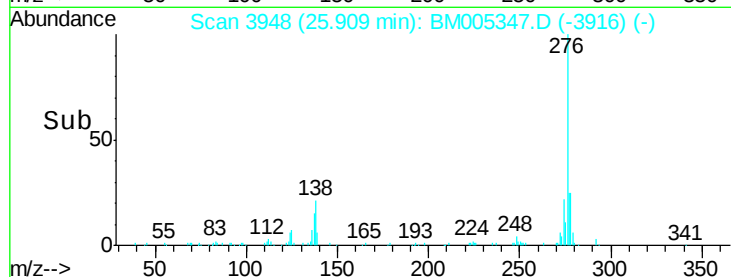
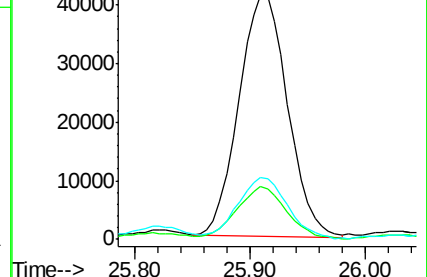
277 25.4 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 1.19 ng/ul

RT: 25.91 min Scan# 3949

Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

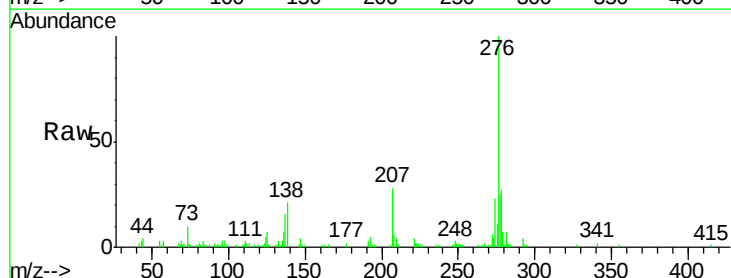
Tgt Ion:278 Resp: 35887

Ion Ratio Lower Upper

278 100

139 0.0 13.8 20.6#

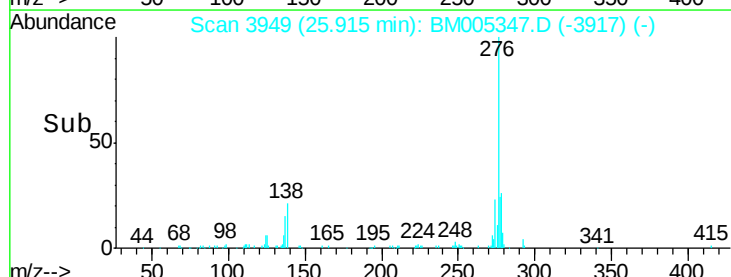
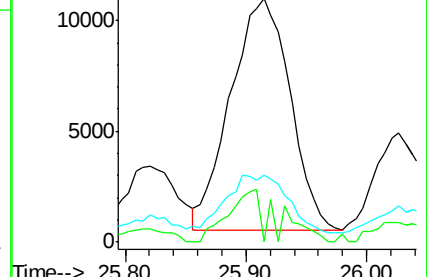
279 27.5 18.9 28.3

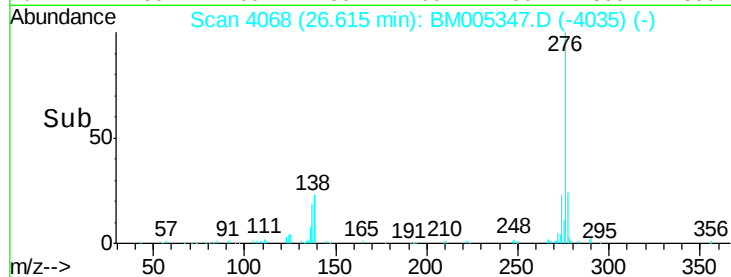
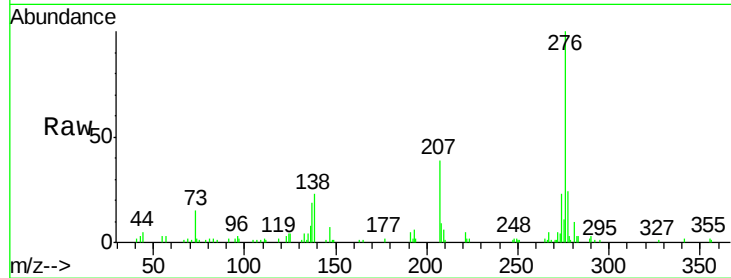
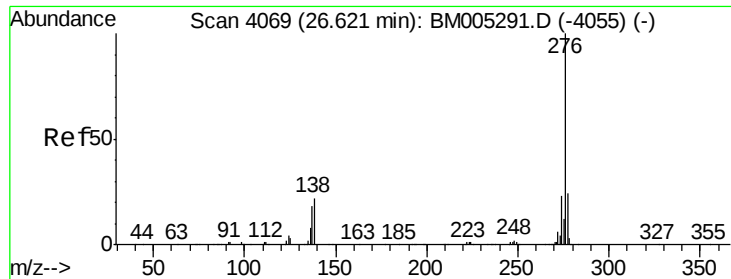


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.10 ng/ul

RT: 26.61 min Scan# 4068

Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampleId :

BD3C5

Tgt Ion: 276 Resp: 95032

Ion Ratio Lower Upper

276 100

138 22.6 18.2 27.4

277 23.5 19.4 29.2

